

**In the Claims:**

1. (amended) A process of sending packets of ~~real-time~~ voice information comprising ~~the steps of~~:

A. initially generating at a sender the packets of ~~real-time~~ voice information, the packets of voice information including source packets with a an initial source rate greater than zero kilobits per second, and a diversity packets with an initial diversity rate, the initial diversity rate ~~initially~~ being at least zero kilobits per second;

B. sending the packets, thereby resulting in a quality of service QoS;

C. comparing the QoS with a threshold of acceptability; and

D. ~~when the QoS is on an unacceptable side of said~~ ~~threshold increasing the diversity rate and sending not only~~ ~~additional ones of the packets of real-time information but~~ ~~also sending diversity packets at the diversity rate as~~ ~~increased~~ when the QoS is on an unacceptable side of the threshold, increasing the diversity rate; and

E. when the QoS returns to an acceptable side of the threshold, increasing the source rate.

2-280. (canceled)

281. (new) The process of claim 1 including generating a report of quality of service at a receiver and sending the report of quality of service to the sender.

282. (new) The process of claim 1 wherein the comparing step includes comparing the quality of service with a threshold of acceptability at the sender.

283. (new) The process of claim 1 including generating a report of quality of service at a receiver, wherein the

comparing step includes comparing the quality of service with a threshold of acceptability at the receiver.

284. (new) The process of claim 1 wherein the comparing step includes comparing the quality of service with a threshold of acceptability at the receiver.

285. (new) The process of claim 1 in which sending the packets includes sending the diversity packets as time-diversity packets.

286. (new) The process of claim 1 in which sending the packets includes sending the diversity packets as media-specific time-diversity packets.

287. (new) The process of claim 1 in which sending the packets includes sending the diversity packets as forward error correction time-diversity packets.

288. (new) The process of claim 1 in which sending the packets includes sending the diversity packets as multiple description coding time-diversity packets.

289. (new) The process of claim 1 in which sending the packets includes sending the diversity packets as multiple description data partitioning time-diversity packets.

290. (new) The process of claim 1 in which sending the packets includes sending the diversity packets as path-diversity packets.

291. (new) The process of claim 1 in which sending the packets includes sending the diversity packets with combined time-and-path diversity.

292. (new) The process of claim 1 in which the comparing is executed at a receiver computer, and in which the sending packets includes sending the diversity packets with combined time-and-path diversity.

293. (new) The process of claim 1 in which the diversity packets include path diversity packets.

294. (new) The process of claim 1 further including sending the packets for packet broadcasting to multiple destinations.